CP46A Polyclonal Antibody

Catalog No	YP-Ab-05056
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	CYP46A1 CYP46
Protein Name	Cholesterol 24-hydroxylase (CH24H) (EC 1.14.13.98) (Cytochrome P450 46A1)
Immunogen	Synthesized peptide derived from human protein . at AA range: 180-260
Specificity	CP46A Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	55kD
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass membrane protein . Microsome membrane ; Single-pass membrane protein . Cell junction, synapse, postsynapse . Cell junction, synapse, presynapse . Cell projection, dendrite .
Tissue Specificity	Expressed in brain. The mRNA was broadly distributed with higher levels in gray matter zones and lower levels in regions rich in white matter. Not detected in fetal sample but its expression increases linearly with age.
Function	catalytic activity:Cholesterol + NADPH + O(2) = (24S)-24-hydroxycholesterol + NADP(+) + H(2)O.,cofactor:Heme group.,function:Involved in the turnover of cholesterol. It converts cholesterol into 24S-hydroxycholesterol and, to a lesser extent, 25-hydroxycholesterol.,similarity:Belongs to the cytochrome P450 family.,tissue specificity:Expressed in brain. The mRNA was broadly distributed with higher levels in gray matter zones and lower levels in regions rich in white matter. Not detected in fetal sample but its expression increases linearly with age.,
Background	cytochrome P450 family 46 subfamily A member 1(CYP46A1) Homo sapiens This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This endoplasmic reticulum protein is expressed in the brain, where it

	converts cholesterol to 24S-hydroxycholesterol. While cholesterol cannot pass the blood-brain barrier, 24S-hydroxycholesterol can be secreted in the brain into the circulation to be returned to the liver for catabolism. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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